BRUHAT BENGALURU MAHANAGARA PALIKE

Raja Rajeshwari Nagar Division

Name of the work :- Additional Works To Jalahalli Govt School in Ward no 16.

MODIFIED SCHEDULE B

Item No.	Tender Item No.	Unit	Modified Schedule B		
			Qty	Rate	Amount
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete,-wood work, steel work, including T&P and scaffolding wherever necessary,sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete as per specifications.KSRRB M200-12.2.-d o -i) Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20.	Cum	28.1	661.00	18541.05
2	KSRRB M200-14.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts *complete as per specifications, ii) Dismantling* Brick I Tile work. A. In lime mortar. MORTH Specification No. 202 KSRRB M200-14.2. -d o - Dismantling brick/Tile work B. In cement mortar.	Cum	100.1	417.00	41721.62
3	KSRB 4-1.2 Providing and Laying in position plain cement concrete of **Mix 1:3:6** with OPC Cement @220kgs with 40mm down size graded granite metal coarse aggregate 0.89cum and fine aggregate @ 0.465Cum machine mixed concrete laid in layers not exceeding 15cm thick well compacted in foundation, plinth, including cost of materilas, HOM of machineries, curing complete as per specification.	Cum	17.3	6620.00	114774.25
	Above 125%		87.2	6416.68	559397.61
4	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of **design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	cum	42.5	7270.00	308884.13
	Above 125%		20.6	7112.02	146521.22

Scanned with CamScanner

5	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of **design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.	cum	279.0	7328.00	2044603.60
	Above 125%		53.0	7112.02	376923.69
6	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	48.8	541.00	26400.80
	Above 125%		36.6	544.80	19921.02
7	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	48.8	543.00	26498.40
	Above 125%		32.7	544.80	17834.45
8	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	208.2	545.00	113448.56
	Above 125%		336.3	544.80	183224.52
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	161.7	347.00	56119.27
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	681.1	345.00	234973.64
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.	Sqm	102.0	522.00	53228.34
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification.	Sqm	125.4	524.00	65689.95
	Above 125%		186.4	544.80	101529.60
13	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17 I.No.4.34 of PWD S.R 2018-19)	Sqm	1109.0	520.00	576680.00
	Above 125%		159.3	525.81	83782.38

Scanned with CamScanner

14	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Toone	6.7	99410.00	663592.23
15	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Toone	5.1	100360.00	511836.00
	Above 125%		5.6	105532.62	596219.73
16	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and achoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No.KBS (P.No.18, I.No.4.46.2 of PWD SR 2018-19)	Toone	33.5	101315.00	3392786.06
	Above 125%		18.2	105532.62	1924343.77
17	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	288.7	1172.00	338329.44
18	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	58.3	1149.00	66957.98
	Above 125%		513.7	1202.35	617665.81
19	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	Sqm	68.9	1220.00	84058.00
	Above 125%		721.0	1202.35	866858.25
20	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Issue rate as on date 21-10-19, Item No. 4.20)	Sqm	20.0	570.00	11414.25
	Above 125%		42.6	600.58	25557.75

Scanned with CamScanner

21	Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications. Honne wood frames	Cum	0.9	103979.00	96180.58
	Above 125%		0.9	103978.94	93477.07
22	KSRB-15.3.8 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon. (Issue rate as on date 21-10-19, Item No. 15.16)	Sqm	236.6	332.00	78555.35
	Above 125%		546.4	316.91	173163.88
23	KSRB-15.3.8 Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon. (Issue rate as on date 21-10-19, Item No. 15.16)	Sqm	1275.8	336.00	428652.00
	Above 125%		1324.6	324.03	429203.84
24	KSRB 15.3.13 Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rouding of corner wherever required smooth rendering, providing and removing scaffolding, including cost of materials, Labour, Curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 15.21)	Sqm	102.3	298.00	30496.58
	Above 125%		135.9	249.25	33871.77
25	KSRB 15.3.13 Providing 12mm thick cement plastering in a single coat with cement mortar 1:3 to ceiling including rouding of corner wherever required smooth rendering, providing and removing scaffolding, including cost of materials, Labour, Curing complete as per specification. (Issue rate as on date 21-10-19, Item No. 15.21)	Sqm	735.6	301.00	221400.55
	Above 125%		920.3	256.37	235931.91
26	KSRB-15.3.8 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon. (Issue rate as on date 21-10-19, Item No. 15.16)(outer)	Sqm	345.8	341.00	117900.75
	Above 125%		243.3	321.66	78267.42
27	KSRB-15.3.8 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon. (Issue rate as on date 21-10-19, Item No. 15.16)(outer)	Sqm	345.8	347.00	119975.25
	Above 125%		304.3	328.78	100036.76
28	KSRB-15.3.8 Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding of corners wherever required smooth rendering, providing and removing scaffolding, including cost of all materials, labours, curing, complete as per specificatioon. (Issue rate as on date 21-10-19, Item No. 15.16)(outer)	Sqm	1643.3	353.00	580076.08
	Above 125%		424.5	335.90	142587.41
29	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.	Sqm	72.0	1228.00	88452.84

Scanned with CamScanner

30	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.	Sqm	72.0	1228.00	88452.84
31	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Colour glazed tiles 15x15 cms 6mm thick	Sqm	107.0	1534.00	164176.35
	Above 125%		254.7	1508.58	384196.42
32	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Colour glazed tiles 15x15 cms 6mm thick	Sqm	213.6	1540.00	328924.75
	Above 125%		148.1	1510.95	223790.46
33	Providing and laying flooring using prepolished, gang saw/water cut 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed ith neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications.-do- using silver grey granite I Multy Red I Ruby Red I Black I Hassan Green I River Pink Granite of width not less than 1200mm	Sqm	958.1	3360.00	3219283.20
34	KSRB 9-27.1: Fixing Door frame in an existing opening including embedding frame in floor and walls after cutting masonry for hold fasts for embedding hold fast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coat tar to sides of frame, making good the damages to wall and floor as required and disposal of the debris with lead upto 50m. including cost of materials, labour charges, complete as per specifications. (P-61, I-9.80)	Nos	13.0	1621.00	21073.00
	Above 125%		12.0	1630.83	19569.94
35	Providing and fixing 65mmx125mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM) U.V.Stabilized Isopthalic Gel coat and Isopthalic resin. The Thickness of the GRP Skin shall not be less than 2.0mm. The Door frame consists of four segments, which are provided with plug-in-socket arrangement in situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement on 6 locations for high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster of Paris with fibre reinforcement. Six numbers of 260x25x5mm size S Shaped M.S.Flat hold fast, Hold fast shall be provided with the frame. (PWD SR -2016-17, P-65/I-9.96)	Sqm	222.4	653.00	145210.88
	Above 125%		5.6	652.81	3672.03

Scanned with CamScanner

36	P/F Factory made single leaf rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized isopthalic Gel coat and on layer of 45gsm E-Glass Chopped strand Mat (CSM) impregnated with orthopthalick polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Sal wood block of cross section not less than 28mm x 32mm and also necessary sal wood reinforcement for fixing the metal fittings such as tower bolts, aldrops, handles, etc., shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the sal wood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confirmation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. (PWD SR -2016-17, I-9.93)	Sqm	62.6	3561.00	222918.60
	Above 125%		0.4	3560.76	1424.30
37	KSRB 15-17.4: Applying **priming coat over new wood surface** and /or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour , complete as per specifications (Page-115/I-15.58)	Sqm	54.0	59.00	3188.21
38	KSRB 15-17.6: Providing and applying **painting two coats** (excluding priming coat on new wood surface and /or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (I-15.60.1)	Sqm	54.0	115.00	6214.31
39	KSRB 7.9: Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or combination of M.S.Flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of all materials, fixtures, labour and HOM of machinery complete as per specifications (I-7.9)	kg	1679.7	113.00	189810.34
	Above 125%		3283.4	127.00	416993.56
40	Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter including cost of materials labour complete as per specification	Sqm	353.3	113.00	39917.25
41	KSRB 15-7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (page no.117. item no.15.33 S.R 2018-19)	Sqm	2050.8	38.00	77928.98
42	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	1326.8	131.00	173805.56

Scanned with CamScanner

43	Providing and fixing **M.S. Hand railing for Balcony** with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Sqm	55.0	3371.00	185405.00
	Above 125%		38.9	3377.97	131335.64
44	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification I.No 10.5.1 P.No 69	Sqm	894.7	624.00	558323.06
45	Providing & fixing Chorinated Poly Venyl(CPVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete.(External work and Burried). Page No-99,Item No-13.87	Mtr	61.0	212.00	12932.00
46	**32mm.dia..**	Mtr	146.0	268.00	39128.00
47	**40mm dia**	Mtr	41.0	347.00	14227.00
48	Providing and fixing water meter with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour , HOM of equipments and testing complete as per specifications.Page No-93,Item No-13.22	Set	6.0	1567.00	9402.00
49	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification. Page No-94,Item No-13.42	Each	12.0	609.00	7308.00
50	Providing and fixing in position brass Gate valve with CI wheel of approved quality (screwed end) below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification. Page No-93,Item No-13.35	Nos	6.0	985.00	5910.00
51	**40mm.dia..**	Nos	6.0	1234.00	7404.00
52	KSRB13-7.1-3 : Providing and fixing in position 40mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 KSRB13-7.1-3 - do - 40 mm dia nominal bore Page No-95, Item No-13.54	Each	11.0	1124.00	12364.00

Scanned with CamScanner

53	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (Page No. 79, I.No. 12.5 of KPWD S.R 2018-19).	Each	40.0	5882.00	235280.00
54	Providing and fixing white vitreous china clay, angle back wash basin size 600X480mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Unit	22.5	3903.00	87817.50
	Above 125%		9.5	3902.59	37074.63
55	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3	Unit	50.0	226.00	11300.00
	Above 125%		42.0	225.51	9471.62
56	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. 20mm nominal OD pipes (KPWD SR 2018-19, P-99, It-13.87.6)	Mtr	116.0	245.00	28420.00
57	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3	Each	6.0	533.00	3198.00
58	Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3	Each	15.0	167.00	2505.00
	Above 125%		77.0	167.36	12886.39
59	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply connection. 40mm dia	Mtr	56.0	387.00	21672.00
60	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 for internal water supply connection. 40mm dia	Mtr	250.0	534.00	133500.00
	Above 125%		470.8	706.22	332451.84

Scanned with CamScanner

61	Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm	NOS	16.0	10077.00	161232.00
	Above 125%		4.0	10076.95	40307.80
62	Supplying heavy gauge PVC conduit pipe .....mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary	Mtr	1000.0	44.00	44000.00
63	25mm dia 2mm thick.	Mtr	600.0	58.00	34800.00
64	*Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe* ....dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.	Mtr	395.0	56.00	22120.00
65	25mm dia 2mm thick	Mtr	225.0	59.00	13275.00
66	Supplying And Fixing Metal Fan Box with Round Hook	Nos	7.5	93.00	697.50
	Above 125%		18.5	93.42	1728.18
67	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A	Point	33.0	176.00	5808.00
68	Medium point 3 Mtr to 6 Mtrfrom tapping point to out let via switch	Point	40.0	275.00	11000.00
	Above 125%		50.0	274.75	13737.50
69	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A - Two outlet in a row, above 6Mtr upto 10Mtr from tapping point to out let via switches ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No.2.3.4 P 5)	Point	25.0	412.00	10300.00
	Above 125%		375.0	412.00	154500.00

Scanned with CamScanner

70	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A - Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No.2.3.4 P 5)	Point	40.0	522.00	20880.00
71	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. - 1.5 sqmm (Item No.2.3.3 Page 6)	Mtr	2689.0	23.00	61847.00
72	2.5 sqmm	Mtr	4642.0	34.00	157828.00
73	4 sqmm	Mtr	816.0	47.00	38352.00
74	6 sqmm	Mtr	900.0	74.00	66600.00
75	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall - 1-3Way ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No.3.4.1 P 9)	Nos	21.0	104.00	2184.00
76	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall - 8Way ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No. 3.4.4 P 9)	Nos	36.3	159.00	5763.75
	Above 125%		8.8	159.00	1391.25
77	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall - 10-12Way ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No. 3.4.5 Page 9)	Nos	20.0	181.00	3620.00
	Above 125%		78.0	181.00	14118.00
78	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. - 8 Module ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No.3.5.4 P 9)	Nos	7.5	220.00	1650.00
	Above 125%		37.5	220.00	8250.00
79	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. - 10-12 Module ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No.3.5.5 P 9)	Nos	5.0	253.00	1265.00
	Above 125%		99.0	253.00	25047.00

Scanned with CamScanner

80	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A - 6Amps one way. ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No. 3.6.1 Page 10)	Nos	50.0	77.00	3850.00
	Above 125%		749.0	77.00	57673.00
81	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A - 6Amps 3way socket. ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No. 3.6.3 Page 10)	Nos	12.5	115.00	1437.50
	Above 125%		97.5	115.00	11212.50
82	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A - Stepped Fan Regulator. ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No. 3.6.4 Page 10)	Nos	20.0	319.00	6380.00
	Above 125%		62.0	319.00	19778.00
83	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.III - Double Door - 6Way TP &N ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No. 5.18.10 Page 28)	Nos	2.5	7693.00	19232.50
	Above 125%		7.5	7693.00	57697.50
84	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. - 5-32Amps SP ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No.5.17.1 Page 27)	Nos	5.0	477.00	2385.00
	Above 125%		175.0	477.00	83475.00
85	50-63 Amps TPN	Nos	2.5	2634.00	6585.00
	Above 125%		17.5	2634.00	46095.00
86	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V up to 300mA sensitivity on existing wood/panel board------25 Amps DP	Nos	3.0	4066.00	12198.00
87	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 Amps three phase 4 wire whole current class-1 Accuracy Energy Meter.	Nos	1.0	5215.00	5215.00

Scanned with CamScanner

88	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. - 14SWG ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work. (Item No.5.42.1 Page 30)	Sqcm	100000.0	1.00	100000.00
	Above 125%		6720.0	0.44	2956.80
89	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.6.2 Page 40)	Each	2.0	3297.00	6594.00
90	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire - 8 SWG ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.7.22.3 Page 70)	Mtr	50.0	64.00	3200.00
91	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. - 4 core 25 sqmm ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.6.4.5 Page 40)	Mtr	37.5	198.00	7425.00
	Above 125%		102.5	198.00	20295.00
92	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. - 25 sqmm to 95 sqmm ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.6.5.2 Page 41)	Mtr	25.0	17.00	425.00
	Above 125%		115.0	17.00	1955.00
93	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) - In soil (hard) ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.6.6.2 Page 41)	Mtr	37.5	112.00	4200.00
	Above 125%		82.5	112.00	9240.00
94	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. - 65mm ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.6.9.3 Page 42)	Mtr	10.0	622.00	6220.00

Scanned with CamScanner

95	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) - 45mm dia ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.6.11.4 Page 42)	Nos	2.0	129.00	258.00
96	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/79 and also comply with IS:1709/1984 with latest amendment, Rated voltage 220 V/ 50 Hz, Rated power input 48 W +/- 10 %, Rated current As per IS:374/79, Rated power factor 0.9 lagging(min), Rated speed 350 +/- 10% RPM, Rated air delivery 210 +/- 10% Cubic Meter Minimum, Rated service value ≥ 4.2 CMM / Watt, Three Blades of blade leaf 1.05mm thick Aluminium Alloy sheet, Class B motor insulation,Bearing Two ball bearings, Top 6202, Bottom 6201 , as per IS specification, Motor wdg. Temp rise Shall not exceed 75 degC over and ambient of 40 0C by resistance method at 245Volts, Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms), Leakage current Should not exceed 210Micro Amp, Power input, watt& current , Air Delivery & Fan Speed as per IS:374/1979 with latest amendment, 2 year manufacturer Warranty 48" Sweep 5 Star (1200mm)	Nos	18.0	3187.00	57366.00
97	Fixing all types and all capacities of fluorescent /False ceiling/spot light /CFL/LED fittings indoor on the wall/ ceiling/rafters/girders using 23/0.0076' twin twisted PVC insulated wires, required Nos of round blocks and clamps. (114/17.7)c) Using 1 Mtr long 19mm 18 SWG enameled brazed conduit of two nos rod pendent with ball socket with check nuts all nickel plated ---- Including cost of all materials, with all lead, lift and labour charges etc., complete as directed by the Engineer-in-charge of the work.(Item No.14.7.1 Page 79)	Nos	37.5	130.00	4875.00
	Above 125%		32.5	120.89	3928.93
98	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22	Nos	3.0	8104.00	24312.00
	Above 125%		3.0	8104.29	24312.87
EIRL 1	KSRB 6.32 : Providing and constructing non load bearing Wall with Light Weight Concrete (Autoclaved aerated concrete) Blocks Confirming to IS:2185 (part) 1984 and IS 6441-1972 of compressive Strength of 3.0N/sq mm with a thin layer of polymer based jiontig solvent for super structure with neccesary including cost of materials, labour charges, scaffolding, curing complete as per specifications. Item No. 6.32.2)	Sqm	153.00	1856.34	284020.46
EIRL 2	KSRB 5-14 : Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Issue rate as on date 21-10-19, Item No. 5.27.1)	Sqm	164.93	1033.81	170507.91
EIRL 3	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	737.71	343.02	253049.88
EIRL 4	KSRB15-4.5 Extra for providing and mixing waterproofing compound in cement plaster for stone masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 20mm thick cost of materials complete as per specifications.	Sqm	737.71	24.93	18387.71

Scanned with CamScanner

EIRL 5	KSRB15-6 : Providing floating coat of cement to plastering and finishing smooth, including cost of materials, labour, curing complete as per specifications.	Sqm	737.71	36.79	27143.76
EIRL 6	KSRB 15.9 Providing and fixing Corner beads 45x45mm size manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls,columns,lintels including cost of materials, labour for fixing complete as per specifications. (length of mesh only be measured for payment) ---- The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Mtr	490.08	47.48	23267.43
EIRL 7	KSRB 15.8.2 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications,The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Mtr	593.14	51.04	30272.42
EIRL 8	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated hard wood battens and internal frame with minimum 45 mm wide wooden frame all-round door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991. From manufacturer (Factory) complete as per specification. - 40mm thick both side commercial ---- including cost and conveyance of all materials, all labour, all lead and lifts, loading & unloading chares, hire charges of all machinery and equipments and all other incidental charges. The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Sqm	43.68	3315.07	144802.15
EIRL 9	uPvC Windows and Doors - Providing & fixing of glazed 2 Track-2 Panel Sliding Windows made out of multi Chamered uPVC sections with TPV gaskets having Isolated drainage and reinforced witgh Galvanized iron profiles through out the window. The outer frame having a overall size of 60x45 mm with reinforcement of 1 mm thickness and sash with overall size of 39x58 mm with reinforcement of 1.5mm thickness. Glazing bead for fixing ofglass shall be of size 20x18mm and coextruded with gasket. Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system of flush lock, Wall thickness of frame & sash shall be 2-2.2 mm. ---- including cost and conveyance of all materials, all labour, all lead and lifts, loading & unloading chares, hire charges of all machinery and equipments and all other incidental charges. The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Sqm	68.40	3591.62	245666.80
EIRL 10	uPvC Windows and Doors - Providing & of Fixed Louvered Ventilator made out of multi chambered uPVC sections with TPv gaskets having isolated drainage and reinforced with Galvanized Iron profiles through out the windown. The outer frame having a overall size of 60x55mm with reinforcement of 1 mm thickness and Mullion with overall size of 74x60mm with reinforcement of 1 mm thickness. Ventilator shall be provided with 4.5 mm Pin Head glass, standard hardware, Wall thickness of frame Mullion shall be 2-2.2 mm. ---- including cost and conveyance of all materials, all labour, all lead and lifts, loading & unloading chares, hire charges of all machinery and equipments and all other incidental charges. The work shall be carried out as per standard technical detailed specifications and as directed by the Engineer in charge of the work	Sqm	44.16	4310.89	190369.05

Scanned with CamScanner

...11	Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete (7.2.1/46) Fixing one exhaust fan after making a suitable nitch in the wall and finishing with cement mortar and colouring to match the existing wall or	Each	16.00	2492.53	39880.51
...12	brackets with bolts and nuts and a 5 amps, ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire of approved make with wire mesh and wooden frame if required.(14.11/80)	Each	16.00	771.50	12343.97
...13	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. - 50Sqmm ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.6.10.5 Page 42)	Each	2.00	213.65	427.29
EIRL 14	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. - 32-40 Amps 4 pole ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.5.20.3 Page 285)	Each	1.00	3323.38	3323.38
EIRL 15	Supplying, fixing and wiring Residual current Circuit Breaker [RCCB] 240/450V up to 300mA sensitivity on existing wood/panel board.63A 4 pole (5.19.10)	Each	10.00	5697.22	56972.16
EIRL 16	Supplying box type suitable for 28W T5 single / twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holders & main connectors. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enameled white with end caps made of engineering plastic. - 1x4'-28 Watts ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.12.3.2 Page 64)	Each	286.00	445.10	127297.17
EIRL 17	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps. ---- etc., complete with all lead & lift, as per specifications and as per directions of the Engineer in charge of the work.(Item No.4.2.1 Page 20)	Each	178.00	100.89	17958.10
EIRL 18	KSRB 15-16.1 : Providing and finishing external walls in two coats Over one coof 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	589.08	213.65	125853.71
	TOTAL AMOUNT				28253025.80

Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

Executive Engineer
Rajarajeshwari Nagar Division
BBMP

Scanned with CamScanner